

REMARKS

Claims 15-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsala (4,918,418) in view of Frick, et al. (4,944,187) and Murakami, et al. (4,658,373).

Regarding the combination of art used to reject independent claim 15, the Examiner relies on Tsala to teach the positively recited three coils: "second coils provided such that they are superimposed with the first coils... [and] third coils are superimposed with the second coils...." However, Tsala does not teach the positively recited "third coils." Tsala teaches a first set of coils X (30X and 32X) in a single plane are aligned with a second set of coils (30Y and 32Y) in another single plane as is clearly shown in Fig. 4 of Tsala and described at column 5, lines 13-58 of Tsala. That is, Tsala provides no teachings to "third coils are superimposed with the second coils" as positively recited in independent claim 15 and only teaches first coils X aligned with second coils Y. Moreover, the art of record fails to provide teachings to "third coils are superimposed with the second coils" as positively recited in independent claim 15. Accordingly, the Examiner has failed to provide teachings to positively recited limitations of claim 15 as is required to establish *prima facie* obviousness (to establish *prima facie* obviousness of a claimed invention, all elements must be shown to be suggested by the prior art when making a rejection based upon obviousness under 35 U.S.C. §103(a). *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1987)). Since the Examiner has failed this clear Federal Circuit Court mandate to provide teachings to all limitations of independent claim 15 for establishing a *prima facie* case of obviousness, independent claim 15 is allowable.

Dependent claims 16-19 and 25-27 depend from allowable independent claim 15, and therefore, the dependent claims are allowable for depending from an allowable independent claim.

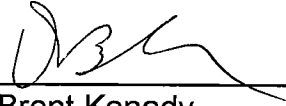
Regarding the combination of art used to reject independent claim 20, the Examiner relies on Tsala to teach the following positively recited limitation of claim 20: "... first coils into a plurality of coil rows connected in series in the direction of the X-axis, respectively, and ... second coils into a plurality of coil rows connected in series in the direction of the Y-axis, respectively." However, Tsala only teaches a first set of coils X (30X and 32X) extending in the same direction with a second set of coils Y (30Y and 32Y) as is clearly shown in Figs. 4 and 7 of Tsala and described at columns 5-7 of Tsala. That is, Tsala provides no teaching to "first coils ... connected in series in the direction of the X-axis...[and ... second coils ... connected in series in the direction of the Y-axis" as positively recited in independent claim 20. The Examiner should note that Tsala's reference to coils X and coils Y is only directed to the distinction of counterclockwise spiral of coils X versus the clockwise spiral of the coils Y (column 5, line 58 to column 6, line 15 of Tsala) and **is not directed to the orientation of series connection** as positively recited by claim 20. Moreover, the art of record fails to provide teachings to this positively recited limitation of claim 20. Accordingly, the Examiner has failed to provide teachings to positively recited limitations of claim 20 as is mandated by the above Federal Circuit Court authority. Since the Examiner has failed the clear mandate to provide teachings to all limitations of independent claim 20, independent claim 20 is allowable.

Dependent claims 21-27 depend from allowable independent claim 20, and therefore, the dependent claims are allowable for depending from an allowable independent claim.

This application is now believed to be in immediate condition for allowance and action to that end is respectfully requested. If the Examiner's next anticipated action is to be anything other than a Notice of Allowance, the undersigned respectfully requests a telephone interview prior to issuance of any such subsequent action.

Respectfully submitted,

Dated: 9-15-08

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